

WHAT IS CLAIMED IS:

1. A light weight golf ball comprising a core and a cover covering the core, wherein

the cover has a flexural modulus (F) of 200 to
5 600 MPa,

the golf ball has a specific gravity of not less than 0.50 and less than 1.00, and a deformation amount (D) of 3.1 to 5.0 mm when applying from an initial load of 98 N to a final load of 1275 N, and

10 a ratio (F/D) of the flexural modulus of the cover (F) to the deformation amount of the golf ball (D) is within the range of more than 50 and not more than 125.

2. The golf ball according to Claim 1, wherein the core has a deformation amount of 4.1 to 5.5 mm when
15 applying from an initial load of 98 N to a final load of 1275 N.

3. The golf ball according to Claim 1, wherein the cover has a flexural modulus (F) of 300 to 500 MPa.

4. The golf ball according to Claim 1, wherein
20 the ratio (F/D) is within the range of 55 to 120.